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GEOGRAPHIC INTELLIGENCE REPORT

ESTIMATED POPULATION IN POTENTIAL AIRFIELD TARGET AREAS IN EAST CHINA

CIA/RR-GR-76

21 April 1955

CENTRAL INTELLIGENCE AGENCY

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The following tables contain rough estimates of the population that might be air attack casualties within various radii of selected airfield targets on the China mainland. Most of the airfields selected are within a range of 700 nautical miles of Formosa, a distance considered to be the normal combat radius of the Soviet BUTCHER/ IL-28 aircraft. Radii of 1 through 11, 13, 15, 20, and 25 statute miles were arbitrarily selected as representative of areas within which casualties could be expected through the use of a variety of weapons. The level of casualties for any area, however, depends ultimately on the height of burst, the type and size of the weapon, and the delivery system used in an attack.

The cumulative estimates of population within the various circle areas were developed from hsien (county) population estimates published by the Chinese Nationalist Ministry of Interior in 1948. The average density of population in the locality of each airfield was determined, the population affected was computed by multiplying the density by the number of square miles included within each successive circle, and the estimate for each circle was adjusted to allow for water and mountainous areas and for the heavier population densities of the major cities. Publications of the Chinese Nationalist Ministry of Interior constitute the most up-to-date available sources of population data on minor

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administrative divisions of China. These statistics, however, are mainly estimates provided by local authorities and the data given for each circle is to be considered reliable only within an estimated range of plus or minus 20 per cent.

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Mile Radius	Sq. Miles Included	Population (in thousands)				
		K'ai-feng	Süchow	Pang-fou	Ta-chiao-ch'ang	Ta-chang
1	3	2	3	50	2	5
2	12	160	10	110	130	18
3	28	240	23	120	270	42
4	50	330	240	130	400	75
5	78	350	460	150	540	120
6	113	370	490	170	690	1,410
7	153	390	520	180	830	2,710
8	201	420	560	200	990	4,020
9	254	450	600	230	1,140	5,340
10	314	490	650	260	1,170	6,670
11	380	510	700	290	1,210	6,770
13	530	600	830	360	1,290	7,000
15	706	700	970	440	1,390	7,260
20	1256	1,000	1,410	700	1,690	8,090
25	1964	1,400	1,980	920	2,070	9,160

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Population (in thousands)

Mile Radius	Sq. Miles Included	Chiang-wan	Lung-hua	Hung-ch'iao	Wu-hu	T'u-men-ya
1	3	5	600	5	2	1
2	12	18	1,220	18	10	10
3	28	660	1,840	42	20	15
4	50	1,320	2,480	75	35	20
5	78	1,980	3,120	120	135	30
6	113	2,650	3,770	790	185	50
7	153	3,310	4,430	1,470	225	100
8	201	4,020	5,100	2,780	250	150
9	254	4,720	5,780	3,480	275	200
10	314	5,430	6,470	4,190	300	240
11	380	6,150	6,770	4,910	325	260
13	530	7,000	7,000	5,760	375	280
15	706	7,260	7,260	6,640	425	300
20	1256	8,090	8,090	8,090	550	350
25	1964	9,160	9,160	9,160	650	400

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Mile Radius	Sq. Miles Included	Population (in thousands)				
		Hankow Sat.	Wang-chia-tun	Wu-ch'ang Sat.	Wu-ch'ang	Huai-ning Sat.
1	3	1	2	1	1	1
2	12	5	7	5	160	5
3	28	8	800	11	250	12
4	50	15	920	170	340	22
5	78	30	1,090	580	580	34
6	113	45	1,270	1,160	1,250	49
7	153	60	1,300	1,270	1,270	67
8	201	490	1,320	1,290	1,290	88
9	254	750	1,350	1,310	1,310	170
10	314	1,170	1,390	1,330	1,330	260
11	380	1,350	1,400	1,360	1,360	290
13	530	1,410	1,410	1,410	1,410	350
15	706	1,480	1,480	1,480	1,480	430
20	1256	1,690	1,690	1,690	1,690	670
25	1964	1,960	1,960	1,960	1,960	980

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Population (in thousands)

Mile Radius	Sq. Miles Included	Chia-hsing	Hangchow	Tai Shan	Ting-hai	Chang-ch'iao
1	3	3	3	1	1	20
2	12	11	12	5	20	60
3	28	26	29	10	40	100
4	50	46	52	15	60	400
5	78	72	80	20	100	450
6	113	150	309	21	140	500
7	153	240	542	22	180	550
8	201	280	782	23	220	600
9	254	330	837	24	240	630
10	314	390	899	25	250	660
11	380	520	967	26	260	700
13	530	680	1,122	40	280	750
15	706	880	1,304	50	300	800
20	1256	1,480	1,871	100	350	1,200
25	1964	2,260	2,602	150	400	1,500

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Mile Radius	Sq. Miles Included	Population (in thousands)				
		Lu-ch'iao	Ch'ü-hsien	Nan-ch'ang (New)	Hsiang-t'ang	Ch'ang-sha
1	3	3	2	1	1	230
2	12	12	20	4	4	460
3	28	28	50	9	9	470
4	50	50	85	130	16	480
5	78	77	125	220	25	500
6	113	110	135	260	36	520
7	153	150	150	270	49	550
8	201	200	165	280	64	580
9	254	230	180	300	81	610
10	314	280	200	320	100	650
11	380	320	220	340	120	690
13	530	440	260	390	170	780
15	706	580	300	450	230	890
20	1256	1,020	400	620	620	1,230
25	1964	1,560	500	850	850	1,670

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Mile Radius	Sq. Miles Included	Population (in thousands)				
		Ta-t'o-p'u	Heng-yang	Chien-ou	Nan-t'ai	Ch'ang-t'ing
1	3	2	20	10	10	2
2	12	7	350	40	30	10
3	28	16	400	60	50	20
4	50	29	450	70	70	40
5	78	44	500	80	100	60
6	113	64	540	90	200	80
7	153	87	580	100	450	90
8	201	120	620	110	500	100
9	254	150	660	120	550	110
10	314	400	700	130	600	125
11	380	670	750	140	650	135
13	530	750	850	160	750	155
15	706	850	950	180	850	175
20	1256	1,170	1,150	230	1,100	225
25	1964	1,570	1,250	280	1,400	275

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Population (in thousands)

Mile Radius	Sq. Miles Included	Yang-t'ang	Erh-t'ang	Li-chia-t'sun	Liu-chou	Ma-chiang
1	3	1	1	1	1	1
2	12	5	5	5	3	5
3	28	10	10	10	105	10
4	50	20	20	20	110	20
5	78	30	100	30	120	30
6	113	40	200	40	125	50
7	153	50	220	120	130	80
8	201	60	230	220	140	100
9	254	70	240	230	150	120
10	314	80	250	240	170	150
11	380	160	260	250	180	200
13	530	270	280	270	200	300
15	706	290	300	290	240	400
20	1256	340	350	340	360	800
25	1964	390	400	390	510	1,100

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Mile Radius	Sq. Miles Included	Population (in thousands)				
		Kao-ch'i	Swatow	White Cloud	T'ien-ho	Nan-hai
1	3 3	1	2	5	5	6
2	12	3	120	21	21	23
3	28	6	250	50	50	55
4	50	9	270	1,690	1,690	200
5	78	14	290	1,740	1,740	350
6	113	130	320	1,800	1,800	420
7	153	240	350	1,870	1,870	500
8	201	260	390	1,960	1,960	600
9	254	270	430	2,050	2,050	700
10	314	290	470	2,160	2,160	800
11	380	330	520	2,280	2,300	1,280
13	530	380	620	2,550	2,550	2,350
15	706	450	730	3,060	2,960	3,060
20	1256	680	1,020	4,040	4,040	4,040
25	1964	1,010	1,490	5,300	5,300	5,300

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Mile Radius	Sq. Miles Included	Population (in thousands)			
		Nan-ning	Sui-ch'i	Fort Bayard	Hai-k'ou
1	3	20	1	1	50
2	12	220	4	4	80
3	28	250	8	8	100
4	50	280	15	15	110
5	78	310	23	16	125
6	113	340	34	17	135
7	153	370	46	23	145
8	201	400	60	30	155
9	254	420	76	38	165
10	314	440	94	47	175
11	380	460	110	57	185
13	530	480	160	80	205
15	706	500	210	110	225
20	1256	550	340	190	260
25	1964	600	470	300	300

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Population (in thousands)

Mile Radius	Sq. Miles Included	Shanghai Complex (Lung-hua, Chiang-wan, Hung-ch'iao, Ta-ch'ang)	Sq. Miles Included	Wu-han Complex (Wang-chia-tun, Hankow Sat., Wu-ch'ang, Wu-ch'ang Sat.)	Sq. Miles Included	Chia-hsing Complex (Hangchow, Chia-hsing)
5	272	5,370	248	1,310		
10	689	7,240	655	1,460		
15	1258	8,100	1207	1,670		
20	1952	9,140	1914	1,940		
25	2836	10,470	2799	2,280	3630	3,430

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Mile Radius	Sq. Miles Included	Nan-ch'ang Complex (Nan-ch'ang (New), Hsiang-t'ang)	Sq. Miles Included	Ch'ang-sha Complex (Ch'ang-sha, Ta-t'o-p'u)	Sq. Miles Included	Amoy Complex (Kao-ch'i, Ma-chiang)
5						
10	574	400	524	760	514	380
15	1126	580	1004	1,050	1005	480
20	1815	800	1653	1,440	1669	800
25	2656	1,070	2481	1,940	2495	1,160

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